



JP11169670A: NOX OCCLUSION-REDUCTION TYPE TERNARY CATALYST AND APPARATUS FOR CLEANING EXHAUST GAS USING SAME

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Abstract: **Problem to be solved:** To enhance the NOx removing performance of an NOx occlusion- reduction type ternary catalyst by allowing a prescribed multiple oxide to coexist suitably with noble metallic elements.

Solution: The objective ternary catalyst contains a noble metal carrying powder obtd. by carrying one or more noble metals selected from the group comprising Pt, Pd and Rh on a porous carrier, a powdery multiple oxide represented by the formula (where Ln is one or more selected from the group comprising La, Ce, Nb and Sm, B is one or more selected from the group comprising Fe, Co, Ni and Mn, $0 < \alpha < 1$ and $0 < \beta < 4$) and carbonates of one or more metals selected from the group comprising Mg, Ca, Sr, Ba, Na, K and Cs. The amt. of the ceria and the ceria-contg. multiple oxide in the ternary catalyst is about 5-30 g/l. The catalyst has enhanced NOx removing performance.

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Foreign References: none